

# OPERATING DATA REPORT

DOCKET NO. 50-247  
DATE 9/4/81  
COMPLETED BY E. Eich  
TELEPHONE 914-526-5155

## OPERATING STATUS

1. Unit Name: Indian Point Station Unit No. 2
2. Reporting Period: August 1981
3. Licensed Thermal Power (MWt): 2758
4. Nameplate Rating (Gross MWe): 1013
5. Design Electrical Rating (Net MWe): 873
6. Maximum Dependable Capacity (Gross MWe): 885
7. Maximum Dependable Capacity (Net MWe): 849
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
None

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>5831</u>	<u>62856</u>
12. Number Of Hours Reactor Was Critical	<u>501.50</u>	<u>2129.27</u>	<u>40293.18</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>54.64</u>	<u>1527.43</u>
14. Hours Generator On-Line	<u>501.50</u>	<u>2017.82</u>	<u>39098.20</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1382897</u>	<u>5065690</u>	<u>100874118</u>
17. Gross Electrical Energy Generated (MWH)	<u>411590</u>	<u>1495300</u>	<u>31115346</u>
18. Net Electrical Energy Generated (MWH)	<u>393464</u>	<u>1407137</u>	<u>29636461</u>
19. Unit Service Factor	<u>67.4</u>	<u>34.6</u>	<u>62.2</u>
20. Unit Availability Factor	<u>67.4</u>	<u>34.6</u>	<u>62.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>62.3</u>	<u>28.2</u>	<u>54.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>60.6</u>	<u>27.6</u>	<u>54.0</u>
23. Unit Forced Outage Rate	<u>32.6</u>	<u>14.1</u>	<u>9.3</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 9/13/81
  26. Units In Test Status (Prior to Commercial Operation):
- |                      | Forecast    | Achieved    |
|----------------------|-------------|-------------|
| INITIAL CRITICALITY  | <u>N.A.</u> | <u>N.A.</u> |
| INITIAL ELECTRICITY  | <u>N.A.</u> | <u>N.A.</u> |
| COMMERCIAL OPERATION | <u>N.A.</u> | <u>N.A.</u> |

8109230516 810915  
PDR ADOCK 05000247  
R PDR

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247  
UNIT Indian Point  
Unit No. 2  
DATE 9/4/81  
COMPLETED BY E. Eich  
TELEPHONE (914) 526-5155

MONTH August 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>793</u>
2	<u>798</u>
3	<u>803</u>
4	<u>804</u>
5	<u>792</u>
6	<u>796</u>
7	<u>789</u>
8	<u>791</u>
9	<u>794</u>
10	<u>782</u>
11	<u>738</u>
12	<u>789</u>
13	<u>787</u>
14	<u>788</u>
15	<u>796</u>
16	<u>793</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>785</u>
18	<u>771</u>
19	<u>787</u>
20	<u>791</u>
21	<u>684</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

## INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August-1981DOCKET NO. 50-247UNIT NAME L.P. Unit No. 2DATE 9/4/81COMPLETED BY E. EichTELEPHONE (914) 526-5155

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
10	8/21/81	F	242.50	A	3	N/A	HA	Turbin	Trip was caused by a malfunction of the main turbine control system. The control system was repaired. During the outage, reactor coolant pump motors and steam generator no.23 were inspected and repaired, as required.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup> Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Other (Explain)

<sup>4</sup> Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
0161)

<sup>5</sup> Exhibit I - Same Source

(9/77)

Indian Point Station

Docket No. 50-247  
Unit: Unit No. 2  
Date: September 11, 1981  
Completed by: Kevin Burke  
Telephone: (914) 526-5340

SUMMARY OF OPERATING EXPERIENCES-AUGUST, 1981

No. 23 Safety Injection (SI) Pump Motor failed on August 10, 1981 while refilling an accumulator. Technical Specifications provisions limit continued power operation to 24 hours with one safety injection pump out of service. NRC approval for continued operation beyond 24 hours was sought based on an interim Technical Specification change supported by analysis. The NRC approved continued power operation until 6:00 a.m. Monday, August 17, 1981. A commercial grade motor was temporarily installed and the pump was returned to service on August 15, 1981. The damaged motor was shipped to the vendor for repair. Inspections of the motors associated with Nos. 21 & 22 SI Pumps and Nos. 21 & 23 Auxiliary Boiler Feedwater Pumps did not reveal any conditions similar to that which was found on No. 23 SI Pump.

On August 21, at approximately 9AM, a turbine runback occurred as a result of a dropped control rod (G-3). Shortly, thereafter, Unit No. 2 tripped automatically at approximately 9:30 p.m. as a result of a malfunction in the turbine control system. In the course of the unit shutdown, No. 23 Reactor Coolant Pump tripped at the time the 6900 volt busses transferred to the station auxiliary transformer. Upon restart of the pump, high vibration was noted. The pump was promptly shutdown. Investigation revealed the cause of the high vibration to be two defective shoes on the lower radial motor bearing. The reactor coolant system was brought to the cold shutdown condition on August 23 for repairs to the reactor coolant pump motor bearing. It was also decided to seal weld a weeping control rod drive vent valve, and to investigate and plug a small tube leak in steam generator no. 23.

At the end of August, the plant was in the cold shutdown condition.

Indian Point Unit No. 2Mechanical and Electrical MaintenanceAugust 1981

<u>Date</u>	<u>Component</u>	<u>MWR</u>	<u>Malfunction</u>	<u>Corrective Action</u>
8/21/81	Emergency Diesel Generator No. 21	2C25455	Diesel Not Starting on Air Motor	Replaced Air motor
8/12/81	No. 23 Safety Injection Pump Motor	2N15379	Motor Tripped Auto on Start, due to cracked rotor bars	Replaced motor
8/21/81	No. 23 Reactor Coolant Pump Motor	2N55460	High Vibration Motor Lower guide bearing	Replaced defective shoes
7/21/81	Emergency Diesel Generator No. 21	2C25201	Diesel Generator tripped on indicated over crank	Reset relay times
8/18/81	Emergency Diesel Generators Nos. 21, 22, & 23.	2N25373	Premature high lube oil temperature alarm	Reset device to alarm at 190°F.
7/11/81	Fan Cooler Unit No. 24 Dew Point Recorder	2C24991	Low dew point reading	Tightened loose heater wire on probe
6/8/81	Nuclear Instrumentation System	2C24928	Power Range Overpower Rod stop low	Readjusted rod stop
8/4/81	Nuclear Instrumentation System	2N21709	Source Range Channel No. 2 defective preamp	Replaced Preamp
8/3/81	Isolation Valve Seal Water Tank Level Indicator	2N25202	Level Indication incorrect	Recalibrated device
8/18/81	Isolation Valve Seal Water Tank Pressure Indicator	2N25360	Pressure Indicator Reads Low	Replaced indicator